

Product datasheet for **MR214065**

1600015I10Rik (NM_001081273) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	1600015I10Rik (NM_001081273) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	1600015I10Rik
Synonyms:	AI429442; Doxl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR214065 representing NM_001081273
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTTTGTTCCAGAGCCATGGGGATGGCACAAGAGCCTGACACTGGGCTGGGTAAGTCCATCTTGC
TGTTACAGATGGCCATTGCAGACCGCCAGGTGGAGCCTGAATGGCAGGCCCGGGTATTCGCAGACCT
GAGTGTATGAGATCAAGATTGTGCAGAACTTCTGATGGACAAAAAGGAGCTGCAGCTGCAGCCATCT
GAGACCAACTTTGGGCAAGAACTCAGTATACCTCATAGAAATGCTGCTGCCGATAAGGAGGATGTGC
TAGATTTTCTGGACAAAGGAGAAAGGAGTCTGTGCGGGAAGCCCGTGTCTGTCATCTTTTGGTGTCTA
GAAGCATCTAAAGTCACTGAGTTTGTGTTGGGCCATGCCATTACCAATCTACATGCGAGAAATATCT
CCCGGGCTGGGCAGTCCATCTGGGCATCTAGACCCATTTCAAAGCAGAGTACAGCCTCATCTACC
GTACGCTGACAGAGGCCACCAAGTCTCTGCATCAGTTCTTCTTGACACCACTGACTACTACTAAAAGA
ACGTGTTGAGGACTATCTGACCTTACATATATGGCCCCTGATGACACAAAATCTGACCAGCGCTGTAGC
TGGTTCATGTTGCAACGCTATATGGAAAGCCACTTCTGACGCTACAGGTCTGGAGATCCTTCTGGATC
ATGGAAGCACAGAAGTCCAGCACTGGAAGTGAAGCAGCTCTGGTATAACGGCAAGCTCTACAACAGCCC
AGAGGAACTGGCTCAGAAATACGCAGATGGAGAAGTGAAGTATACTGGTACTCACGGAGTCAGTTGACAAG
GACACAAAGCAGCCCCTAGTCTTCTCTTCTCCAAATATCCAGAGGACTTCCCCTACCAACAGCATGG
CTAGACCCAGAGTGTCTGAGCCCATGTTTCTAGCTATAACGTAGAGGACAACACGGTGTCTACAGAGA
CTGGATTTTCTCCTTCCGGCTAAGACCCCTCTGGTCTGCAGATCCTGAATGTGCACTTTCCGGGTGTG
CGTATTGCATATGAAGTCACTGTACAAGAGGCGGTGGCACAGTTCGGAGGACATGTATCTGCAGGCACTC
AGGCCAAGTACATGGATGTGGCTGGGCGCTGGCAGTCTACTCGCCAGTTAGCCGCTGGCATTGATTG
TCCAGACACAGCCACCTTCTGGAAGTCAATTCATCACTATGACACCGACAGACCAGTCTCCTATCCACGA
GCTCTCTGCTCTTTGAGATGCCAGCAGAAATGCCAATTAGGCACCACTTTAACTCCAACCTTTAGAGAAG
ACTTCAACTCCAGTGCAGGGACAATGGACACATGCTGGTGTACGGACAATCTCATCAGTCTCCACTA
TGATTATATTTGGGACTTTGTTTTCTACACTAATGGAGCAATGAAGGCAAAAATGCAAGCCACTGGCTTG
GTCCATGCCACCTACTACCAGCCTGAGGAGATGCGCTACATCTCTCAATCACACACCCATGTATTACAGCA
ACATTCACACCCACCTAGTACATTACCGCATTGACCTGGATGTAGCAGGCACCAAGAACAGATTCCAGAC
ACTGCAGATCATTCGAAAAACATCACCAACTCTAAGAACCTGAGACATCAGGCCTTGGAAATACCCTA
AAGCAAGCAAATTACACCAAGAGCAACAAGCAGCCTTCTACTTTGGAAAGCCGCTTCCAATTACCTAA
TCTTTAGCAACCTCCATACGACCCACGGGATGGGCCACAGGAGCAGGTACCGTCTGAAGACCTACTCCAA
AATCCATCAGGTGCCACTGCCAGGCTGGCAAAAAGCAAGGTGTCTCTTGGACCAGGTATCCCTTGGCT
GTGACCGAGTACCAAGATTCTGAGAAGTGCAGCAGCAGCATCTACAGCCAAAATAATCCTTGGGATCCCC
CTGTGGTCTTCGAGGATTTTATTCAGAACAATACAAACATTGAAGATAAGGATTTGGTGGCTGGGCCAC
AGTGGGCTTCCACAACATGCCCGTTCTGAGGCTAGTACCAACATGACCACACCTGAGAACTCTGTGGGT
TTTGTGCTCCGACCCTTCAACCTCCCTGGCTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR214065 representing NM_001081273
 Red=Cloning site Green=Tags(s)

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MLCSRAMGMAQKSLTLGWVTAILLQMAIADRPRWSLNGRPRVFDL SVYEIKIVQNFLMDKKELQLQPS
ETPTLGKNSVYL IEMLLPDKEDVLDFLDKGERSPVREARVVIFFGAQKHPKVTEFAVGPMPPLIYMREIS
PGPGHDPSPWASRPISKAEYSLIYRTL TEATKSLHQFFLDTTDYSLKERVEDYLTFTYMAPDDTKSDQRCS
WFMLQRYMESHFLQPTGLEILLDHGSTEVEQHWKVKQLWYNGKLYNSPEELA QKYADGEVSILVLTESVDK
DTKQPLVFSSSNIPEDFPTTNSMARPRVSEPHVSSYNVEDNTVFYRDWIFSFRLRPSSGLQILNVHFRGV
RIAYEVSVQEAVAQFGGHVSAGTQAKYMDVGVGPGSATRQLAAGIDCPDTATFLEVIHHYDTRPVSYPR
ALCLFEMPAEMPIRHHFNSNFREDFNSSAGTNGHMLVLRTISSVLHYDIWDFVYFYTNGAMKAKMQATGL
VHATYYQPEEMRYISQSHTHVFSNIHTHLVHYRIDLDVAGTKNRFQTLQIIRKNI TNSKNLRHQALGNTL
KQANYTQEQQAAFYFGKPLPNYL IFSNLHTTHGMGHRSRYLKTYSKIHQVPLPGWQKKQVSWTRYPLA
VTEYQDSEKCSSIYSQNNPWPDPVVFEDFIQNNNTNIEDKDLVAVATVGFHNMPRSEASTNMTTPENSVG
FVLRPFNLPGF
  
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9096_a08.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001081273

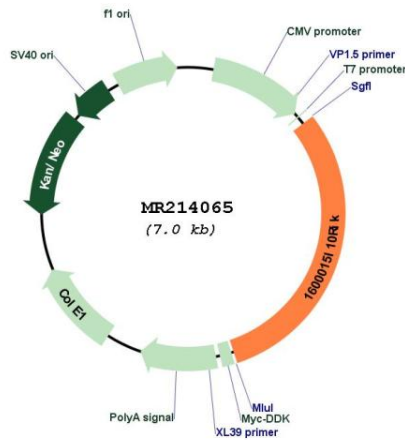
ORF Size: 2133 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001081273.2, NP_001074742.2</u>
RefSeq Size:	2493 bp
RefSeq ORF:	2136 bp
Locus ID:	69761
Cytogenetics:	6 B2.3
MW:	81.5 kDa

Product images:



Circular map for MR214065